



Outside Line Safety Update

April 3, 2023



Mike Starnier
NECA, Executive Director
Outside Line Safety



OSHA's Construction Focus Four



Falls



Caught-in / -between



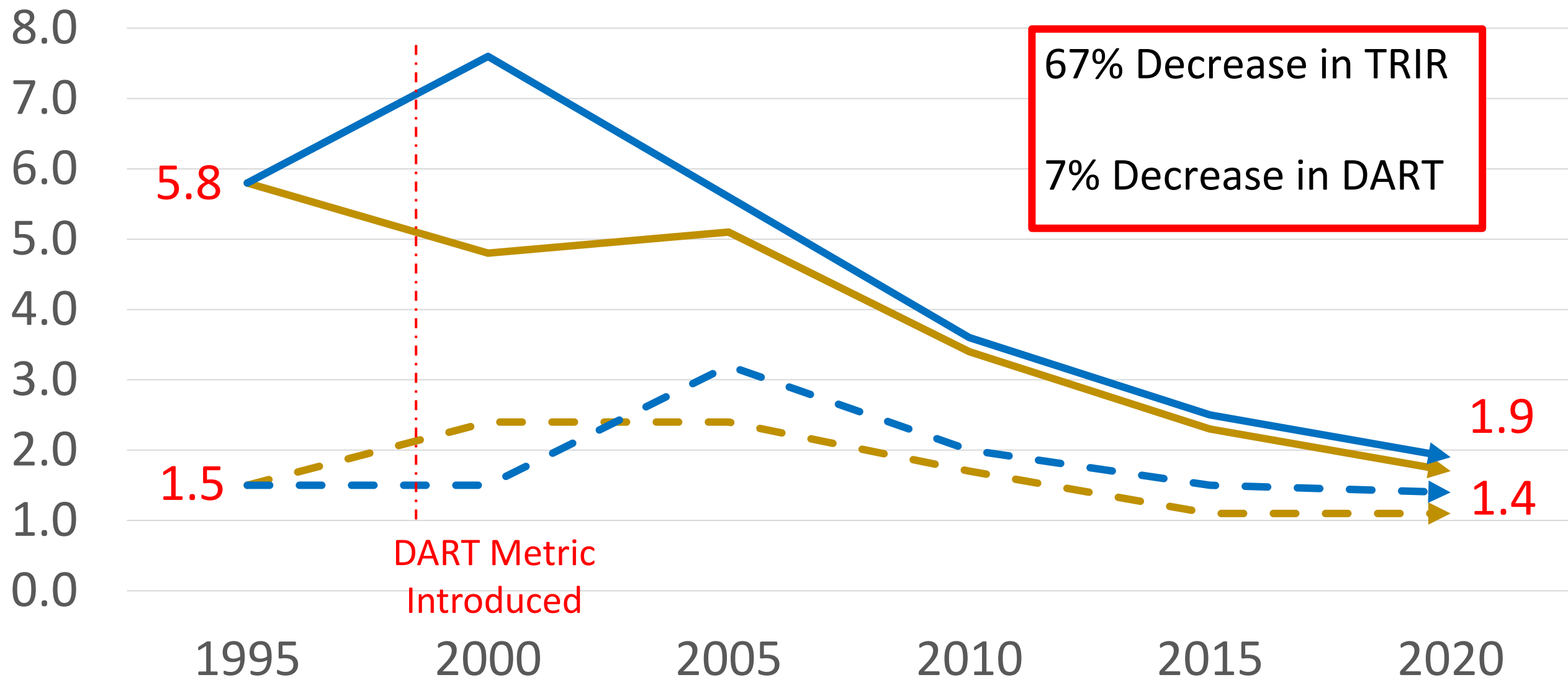
Struck-by



Electrocution



1995 - 2020



2021 Industry Benchmarks

NAICS 23713* - Contractor - ETD

2020

OSHA TRIR - 1.9 (4,100 Cases)
OSHA DART - 1.4 (3,100 Cases)
Hours Worked: ~ 430,532

Fatal Injuries – 30*

1. Transportation – 43%
2. Falls – 20%
3. Substance/Environment – 13%

2021

OSHA TRIR - 1.6 (3,600 Cases)
OSHA DART - 1.0 (2,300 Cases)
Hours Worked: ~ 457,201

Fatal Injuries – 29*

1. Substance/Environment – 34.5%
2. Other – 34.5%
3. Transportation – 31%

*Bureau of Labor Statistics



2021 Industry Benchmarks

NAICS 23713* –Contractor ETD

2020

1. Line-of Fire – 46%
2. Electrical – 22%
3. Falls – 22%

2021

1. Line-of-Fire – 31%
2. Falls – 21%
3. Electrical – 20%

*OSHA Severe Injury Reports



2021 Industry Benchmarks

NAICS 22112* – Utilities - ETD

2020

OSHA TRIR - 1.7 (4,100 Cases)
OSHA DART – 1.1 (2,700 Cases)
Hours Worked: ~ 476,651

Fatal Injuries – 10*

1. Transportation – 50%
2. Substance/Environment – 43%
3. Falls – 7%

2021

OSHA TRIR - 1.8 (5,800 Cases)
OSHA DART – 1.1 (3,800 Cases)
Hours Worked: ~ 463,709

Fatal Injuries – 16*

1. Substance/Environment – 50%
2. Other – 50%

*Bureau of Labor Statistics



2021 Industry Benchmarks

NAICS 22112* – Utilities ETD

2020

1. Electrical – 36%
2. Falls – 29%
3. Line-of-Fire – 29%

2021

1. Electrical – 28%
2. Line-of-Fire – 26%
3. Falls – 25%

*OSHA Severe Injury Reports





Partnership Update





Structure and Organization

The Executive Team is the policy-setting body of the partnership. It is made up of company presidents and senior representatives of other member organizations.

Executive Team - Jose R. Mas, MasTec Inc., CEO

The Steering Team is the operational arm of the Partnership. It is made up of safety vice presidents and safety directors of member organizations.

Steering Team - Nick DiMartino, MasTec Inc., Vice President of Corporate Safety





Task Teams

- Task Team 1 (Data) - Maryann Buelow – Utilities Services, Inc.
 - SC Liaison – Elise Bently, Primoris Services Corporation
- Task Team 2 (Training/Best Practice) - Travis Johnson, MDU Construction Services Group, Inc. (*Capital Electric Line Builders*)
 - SC Liaison – O'Brien Mills – Aldridge Electric
- Task Team 3 (Communications) - William Koss, Michels Corporation
 - SC Liaison – Heidi Meyer-Bremer, Michels Corporation
 - SC Liaison - Mike Starner, NECA

** Opportunity for NECA reps on each of these task teams*





Key Issues

- Best Practice Enhancement (13 => 9)
- 10 Hour Update
- 10 & 20 Hour Train-the-Trainer Facilitation
- Serious Injury & Fatality (SIF) Reporting
- Routine Safety Messaging (Outreach)
- Partnership Renewal – Expires October 31st, 2023





Quarterly Refreshers

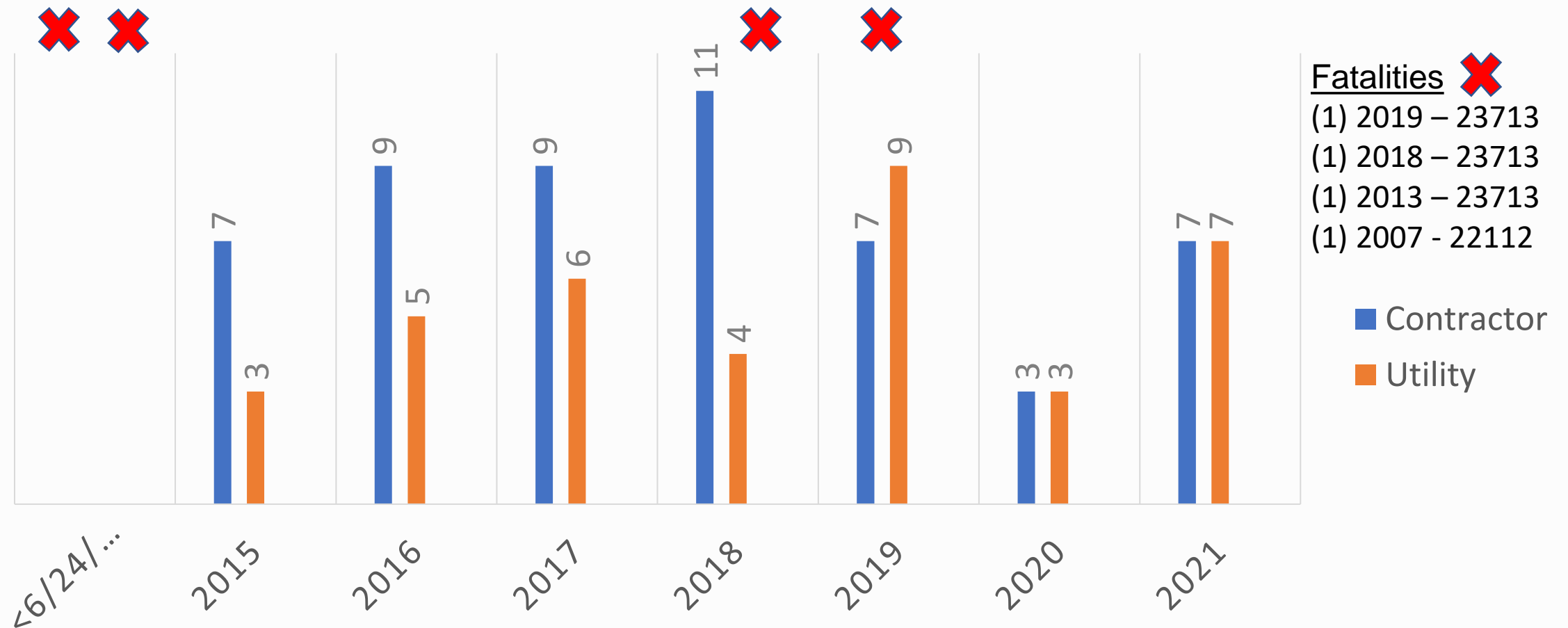
- **Q1: Insulate & Isolate** – The partnership experienced a 130.77% increase in events from 2020 to 2021
- **Q2: Caught Between / Struck By** - Caught Between SIF Event increased by 31.11% & Struck By increased by 62.07% from 2020 to 2021
- **Q3: Underground Cable Identification (New Topic)** – Many across the industry has seen an increase in outage and injury events when performing underground cable replacement and/or operations related to underground electrical work.
- **Q4: Motor Vehicle Safety with focus on Following Distance & Intersections (New Topics)** – The partnership experienced a 38.46% increase in motor vehicle related events. Driver Safety continuous to be a focus for many across the industry.





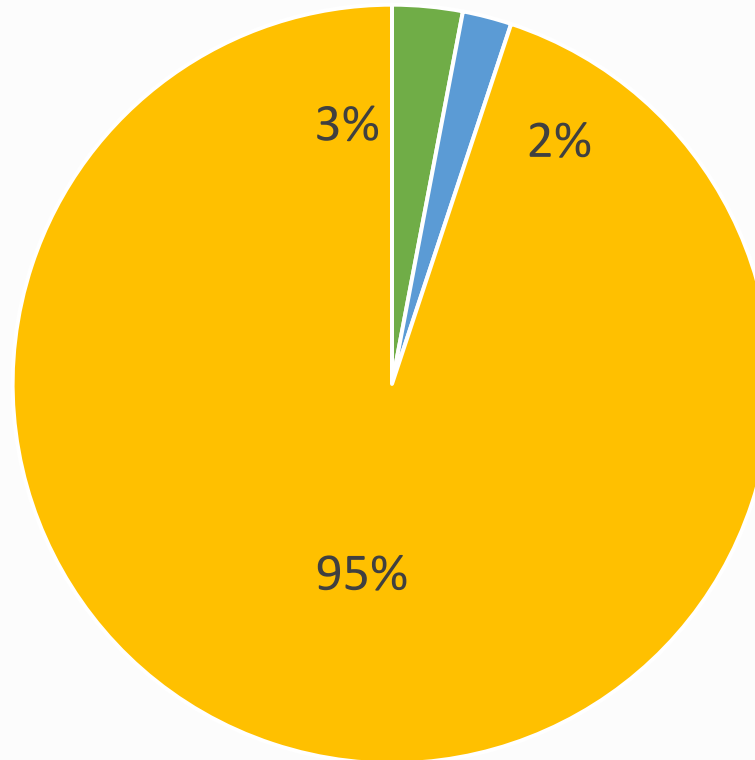
OSHA Heat Illness and Injury Prevention

Heat Related Severe Injury/Illness



Industry Comparison

Severe Heat Illnesses (2015-2021)



■ Contractor ■ Utility ■ Other



OSHA's Heat Illness Prevention Campaign

WATER. REST. SHADE.

- 2011- Heat Illness Prevention Campaign Announced
- Sept. 2021 - COVID-19 Guidance on the Use of Cloth Face Coverings while Working Outdoors or Indoors in Hot and Humid Conditions.
- Sept. 2021 - US Department of Labor announces enhanced, expanded measures to protect workers from hazards of extreme heat, indoors and out.
- Oct. 2021 - Advance Notice of Proposed Rulemaking for Heat Injury and Illness Prevention in Outdoor and Indoor Work Settings. OSHA
- Apr. 2022 - National Emphasis Program – Outdoor and Indoor Heat-Related Hazards
- May 2022 - Heat Forum Public Stakeholder Meeting



NEP – Heat Stress

Table 2. Construction industries that are likely to have heat-related hazards.1 2017 4-Digit NAICS Code 2017 NAICS Industry Sector Title

- 2361 Residential Building Construction
- 2362 Nonresidential Building Construction
- **2371 Utility System Construction**
- 2372 Land Subdivision
- 2373 Highway, Street, and Bridge Construction
- 2379 Other Heavy and Civil Engineering Construction
- 2381 Foundation, Structure, and Building Exterior Contractors
- 2382 Building Equipment Contractors
- 2383 Building Finishing Contractors
- 2389 Other Specialty Trade Contractors



National Emphasis Program

Heat Stress

Program Elements

- Training
- PPE
- Engineering Practices
- Administrative Practices
- Health Screening & Acclimatization



Enforcement

5(a)(1) - "employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm to his employees..."

- The employer failed to keep the workplace free of a hazard to which employees of that employer were exposed;
- The hazard was recognized;
- The hazard was causing or was likely to cause death or serious physical harm; and
- There was a feasible and useful method to correct the hazard.





FMCSA Emergency Exemptions

Clarification to the Applicability of Emergency Exemptions (390.23)

- Presidential declarations
 - Automatic (30) day relief from 390-399 remains
- Regional declarations (Governor, FMCSA)
 - Reduced to (5) days of automatic relief
 - Only applies to Hours of Service (HOS) - 395.3 & 395.5
 - (2) Extensions totaling (90) days are possible
- Utility Service Vehicle (USV) exemption untouched



Clarification to the Applicability of Emergency Exemptions (390.23)

NECA submitted public comments focused on keeping automatic HOS relief for declared events at (30) days

- Concern is with State interpretation and response
- Weigh stations
- Electronic Logging Devices (ELD)
- Subjective acceptance of extensions





Outside Line Safety Update

NECA Outside Line Safety

- Apprentice Safety and Line Crew Culture (safety interactions at AJATCs and pre-apprenticeships)
- Transportation Safety (Driver & vehicle, On/Off Road, Work Zone)
- Develop National Helicopter Safety Awareness Program (Western Line expansion)
- Develop NECA Crisis Preparedness and Response Program – tied to NECA Disaster Relief Fund
- NECA Safety Professionals Institute – (incorporate outside specific content)



NECA Outside Line Safety

- NECA Safety Professionals Institute – (incorporate outside specific content)
- Reduce Serious Injuries and Fatalities in ETD (Transportation, Falls, Contacts, Struck-By)
- Expand NECA brand recognition among customer base (EEI, APPA, NRECA)
- Maintain healthy working relationships with IBEW, regulators, and standard developers
- Others as defined by D10 VP



Q&A

